

Coloma Community Schools Technology Plan for 2008-2011

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Cover Page - Technology Plan Summary Sheet – Section 1

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Coloma, MI 49038
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District Code 11330

Located in the Berrien County Intermediate School District

Dates covered by this plan
Start Date – July 1, 2008
End Date - June 30, 2011

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The URL for the technology plan is

http://www.ccs.coloma.org/technology/technology_plan_2008_2001-3.pdf

Introductory Material – Section 2

Coloma Community Schools Mission Statement

Coloma Community Schools is dedicated to working cooperatively with the community and the home to assure quality education for all students so they become responsible and productive members of society.

The school improvement plan states that students will demonstrate six adult roles:

1. Quality Producer
2. Good Communicator
3. Creative and Critical Thinker
4. Responsible Community Participant
5. Self Directed Learner
6. Self-Assured Person

The school improvement plan for each school building addresses these six components. As the building level teams develop strategies to address the adult roles, they are required to identify how technology will be used to attain the goals. Using technology is not the goal. Learning is the goal and technology is one of the tools to achieve the learning.

Introduction

The Coloma Community School district is located in Coloma, Michigan. Coloma is rural in nature and is located in the southwest corner of Michigan. The district serves about 6800 residents in Coloma and Coloma Township. The blended student count for 2007-08 is 1961 and includes resident students from Coloma, transfer students from Benton Harbor, as part of a federally mandated desegregation order, and students who have selected Coloma under the School of Choice program. Students in the district are 81% white, 13% black and 6% Hispanic in addition to less than 1% American Indian, Asian, and Native Hawaiian. There is one high school, grades 10-12, a junior high, grades 8-9, two middle school buildings housing grades 5-7, and two elementary buildings, grades K-4. The district employs 141 teachers. Based on free and reduced lunch figures, the district qualifies for Universal Service Fund discounts at the 61% level.

School Buildings

Coloma High School
300 West St. Joseph St.
Coloma, Michigan 49038

Coloma Junior High School
302 West St. Joseph St.
Coloma, Michigan 49038

Coloma Middle School
274A North West St.
Coloma, Michigan 49038

Coloma Elementary School
262 North West St.
Coloma, Michigan 49038

Washington Elementary School
6463 Becht Rd.
Coloma, Michigan 49038

Coloma Administration Center
2518 Boyer Road
Coloma, Michigan 49038

Coloma Fine Arts Building
262 North West St.
Coloma, Michigan 49038

Technology Advisory Team Charter

The information age places new importance on what people must know and how they do their work. Workers in the information age must be able to acquire information in many forms, manipulate that information and distribute it using various technological tools. Believing this, we need to educate our students so as to prepare them for the information age. The board and administration of the Coloma Community Schools chartered this committee to develop and update a technology plan for the district. (See Board of Education minutes, 12 September 1994)

The Technology Plan guides us as we discharge our responsibility of providing technology and services to educate students. The committee identifies the tools we need to provide students with content information as well as the tools they need to manipulate that information and communicate their findings. Students must be prepared for the kinds of workplaces they will encounter when they leave our schools. The work of this committee must recognize and support the goals of the district-wide school improvement plan and contribute directly to the student outcomes identified in that plan.

The technology plan must allow teachers to be more effective while respecting their needs. The instructional staff is the heart and soul of Coloma schools and we must develop their potential, just as we do our students. The plan must include appropriate training and support for teachers. The Technology Advisory Committee should represent and seek ideas from all segments of the community that are involved in our school, from parents to school staff to future employers of our students and institutions of higher education that our students may attend.

Technology Mission Statement

Technology will be fully integrated in the curriculum at all grade levels and in every school in the district. Recognizing the global impact of emerging technologies, the district will support the use of technology to increase communication within and beyond the school community.

Because the Board of Education recognizes the importance of technology, it has approved the following technology mission statement:

The Coloma Community School District is dedicated to promoting the use of technology as a tool to enable students and staff to become life-long learners. We will develop an efficient, cost-effective plan for the continued use of the latest technology in all learning environments and for the incorporation of technology into the educational program. The technology team will assist students and staff in learning how to acquire and handle information to solve problems.

Technology Advisory Team

Name		Position
Terry	Barella	Business Manager
Joe	Barrett	Network Administrator
Terry	Boguth	Superintendent
John	Brown	Principal
Melissa	Davis	Faculty
William	Dygert	Principal
Cathy	Haley	CTE Director
Ed	Irvin	Technology Director
Tonya	Kimmerly	Faculty
Mark	Morris	Faculty
Pete	Olsen	Principal
Daryl	Ost	Principal
Scott	Pauley	Principal
Al	Stampfly	Community Member
Jon	Stibal	School Board, Business partner
Krystle	Weeks	Faculty

Vision and Goals Section 3

The specific projects listed in this section reflect our support of the four pillars of the National Plan for Technology in Education. It provides training and support for teachers in learning to use technology with students; it provides current technology for the teachers and students; and it provides the means for integrating on-line resources and the best software into the curriculum.

This plan also supports the recommendations from Michigan's State Technology Plan; making technology part of core curriculum, partnering with businesses and colleges, providing ongoing training opportunities, and utilization of individuals with expertise in the use of technology.

Technology Goals

The Coloma Community Schools have adopted the following goals in accordance with the Michigan Department of Education as published in the State of Michigan Technology Plan.

- Use and transfer technological knowledge and skills for life roles (family member, citizen, worker, consumer, prosumer, lifelong learner)
- Use technologies to input, retrieve, organize, manipulate, evaluate, create, provide and communicate information
- Apply appropriate technologies to critical thinking, creative expression, and decision-making skills
- Employ a systematic approach to technological solutions by using resources and processes to create, maintain, and improve products, systems, and environments
- Apply ethical and legal standards in planning, using, and evaluating technology
- Evaluate the societal and environmental impacts of technology and forecast alternative uses and possible consequences to make informed civic, social, and economic decisions.

The plan has one essential goal and that is to prepare Coloma's students to be productive in the global society in which they will live.

Technology Priorities 2008 – 2011

As determined by Technology Advisory Team, April 2008

- 1. Extended Learning Opportunities – Groups (12+7)**
 - a. Mounted classroom projectors (5)
 - b. DVD players hooked to projectors (2)
 - c. Tablet screens
 - d. Updated laptops for data projectors
 - e. Classroom feedback devices (clickers)
 - f. Secure and mobile carts with laptop and projector
 - g. Projectors hooked to computers
 - h. Fixed data projectors for group meeting rooms
 - i. Updated technology for Auditorium
 - j. Smart electronic boards in classrooms
 - k. Office simulation to practice using Microsoft Tools (Word, Excel, PowerPoint).

- 2. Continue Upgrading Infrastructure (11 + 1)**
 - a. Teacher voice mail (phones in each room) (1)
 - b. Continued upgrading infrastructure (servers, fiber to rooms, etc).
 - c. Increased wireless access points
 - d. More automated technology asset tracking for technology
 - e. DVD in all computers
 - f. 3-5 year computer life cycle
 - g. Update wiring (network and electrical)

- 3. Distance Learning and Audio/Visual (7)**
 - a. Video streaming for elementary schools
 - b. High Definition Video Equipment
 - c. Digital cameras without floppies
 - d. Video cameras for departments and student projects and activities
 - e. District funds for video conferencing

- 4. Expanded Technology Opportunities for Vocational Classes (7)**
 - a. Advanced Robotics class (next step from Lego robotics)
 - b. Computerized cutter for welding
 - c. Late model auto diagnostic/analysis for Auto Shop
 - d. Machine Tool and Other Vocational Classes Updates
 - e. Video production at CMS
 - f. Audio and video production at CHS

- 5. Curriculum and Assessment Tools (4 + 6)**
 - a. Shift curriculum higher skills at lower levels (5)
 - b. Handheld calculators for upper-level math (1)
 - c. AR funded by district
 - d. More Plato type software for computer assisted instruction
 - e. Dedicated teachers for Plato
 - f. Program to analyze test scores (data manager)
 - g. Cross curricular technology based assessment tools
 - h. Same type of calculators for each grade level to ensure no confusion when taking test (i.e. MME)

- 6. Facilities and Lab Updates (4 + 1)**
 - a. Update classroom labs (1)
 - b. Continue and complete elementary move
 - c. 2 labs at Coloma Elementary
 - d.

- 7. Technology Enhanced Processes (4 + 1)**
 - a. Expand technology use to enhance maintenance, transportation, etc.(1)
 - b. Student accounting, tracking and scheduling system
 - c. Security cameras
 - d. Card key access throughout district
 - e. Automated attendance through student id cards
 - f. More shared file access accounts
 - g. Computer workstations in teacher lounges

- 8. Extended Learning Opportunities – Individual (2)**
 - a. Enhanced delivery mechanism for outside the classroom teaching
 - b. Foreign language software for lab settings
 - c. IPOD directed foreign language
 - d. IPOD for English as a second language
 - e. Technology for teaching sign language
 - f. IPOD applications for curriculum areas
 - g. Additional opportunities for Virtual University classes (especially AP type courses)

- 9. Community Outreach and Communication (1)**
 - a. Community courses (evening)
 - b. Upload podcasts to district web site
 - c. Teacher websites
 - d. Video capabilities at the district web site

- 10. Easy to access tools for Teaching and Learning**
 - a. 1 set of laptops for each grade level
 - b. Laptops for every student
 - c. Laptop for every teacher

- d. Wireless network laptops for teachers for note taking ability

11. Continued Professional Development Opportunities

- a. Continued Professional Development through MACUL
- b. More popular professional development
- c. Appropriate uses for Social Networking
- d. Improved course to network ethics

NOTES FROM FINAL:

- Major categories are listed in priority order. Sub-items with votes are listed at the top of the categories in bolded print.
- Votes are recorded for major category with a plus for sub item votes (sub item votes are recorded)
- Votes are listed after the item.
- After round one, voters were given a chance to influence each other.
- The continued professional development opportunities were seen as integrated in each of the categories as technology was implemented.

District Wide Area Network

The district will continue to improve the Wide Area Network (WAN) that enables increased communication between students, teachers, staff, and the community. The WAN is the conduit through which the schools receive their Internet access.

Wiring and Infrastructure

The district will continue to maintain and upgrade wiring that does not meet the district's standards. Reoccurring costs include replacement and upgrading data cabling and electrical supply.

Local Area Networks

The district will continue to upgrade the Local Area Network (LAN). (LANs) are essential for communication within the school. The LAN allows users to share resources such as printers and data files. The LAN is the conduit for Internet connectivity within the school. By connecting the LAN to the WAN, all of the schools in the District will be able to increase communications within and outside of the District.

Teacher Workstations

The district will continue to upgrade teacher workstations allowing teachers to better integrate available technology resources into their curriculum and help with daily administrative tasks. All of these workstations are connected to the LAN.

Classroom Computers

The integration of networks into the classrooms and administrative environments requires that computers exist in the classrooms for students.

Additional Technologies

The district will study emerging technologies and add them to district classrooms in accordance with the hardware acquisition policy. Assistive technologies will be provided as needed. This may include hardware to aid in vision, hearing, and motor skills.

Library Resource Center

The district will complete the automation of all media centers. The software is be used to catalogue materials, maintain an up-to-date inventory, and to check materials in and out from the collection.

Tools for Curriculum Integration

Appropriate software must be identified and procured for the District for the integration of technology into the curriculum. Microsoft Office is standard on every computer at every level. Additional software packages are added at different levels in accordance with the Software Acquisition policy.

Staff Development

Training the staff in the use of technology is critical for the successful integration of technology into the curriculum. Without this training, teachers will struggle to benefit from the technology in their classrooms.

Action Plan 2008-2011

Name	Status	Owner	Resources
STRATEGIC PLAN FOR INSTRUCTION			
<ul style="list-style-type: none"> Consult with Businesses & Universities Identify desired student preparation 	Ongoing	Cathy Haley	Principals
Survey Past Students <ul style="list-style-type: none"> How should we change instruction to better prepare students? 	Ongoing	Cathy Haley	Ed Irvin
Identify Appropriate methods for self instruction	Ongoing	Ed Irvin	Joe Barrett
Teachers select applications for classroom use <ul style="list-style-type: none"> Use software acquisition policy 	Ongoing	E. Irvin	Principals
Administer Teacher Survey <ul style="list-style-type: none"> Develop online survey to determine needs Compile and publish results 	Ongoing	Ed Irvin	Principals
Study Other Staff Development Programs <ul style="list-style-type: none"> Identify model programs and request information on implementation and preparation 	Ongoing	Ed Irvin	T. Kimmerly
Provide Staff Development <ul style="list-style-type: none"> Determine topics for staff development Determine costs for staff development activities Identify best times and places for training 	Ongoing	Principals	Ed Irvin
INFRASTRUCTURE			
Identify Network Connections Needed <ul style="list-style-type: none"> Office areas and classrooms 	Ongoing	Joe Barrett	Ed Irvin, Jon Stibal
PUBLIC SUPPORT			
Communicate technology projects to public	Ongoing	Terry Barella	Ed Irvin
Inform teachers and principals of vehicles to communicate with public	Ongoing	Terry Boguth	
INVESTMENT PROTECTION AND PLANNING			
Budget for Roll-Over Purchase of Technology Purchased Based on a cycle (Full Replacement every 5 Years)	Ongoing	Terry Boguth	Ed Irvin, Cathy Haley Principals
Minimize Variation of Technology <ul style="list-style-type: none"> Set minimum standards for new purchases Identify technologies we will continue to support (service and training) Determine what we will do to transition (Develop Phase-in, Phase-Out Plans) 	Ongoing	Ed Irvin	Joe Barrett
HARDWARE AND SOFTWARE			
Determine Overall Needs	Ongoing	Ed Irvin	Joe Barrett
Talk to businesses, schools, ISD, colleges and universities <ul style="list-style-type: none"> What are they using now and what do they plan to use? What business or schools have they found helpful. 	Ongoing	Cathy Haley	J. Barrett

Research what's available in the market • Determined by needs surveys	Ongoing	Ed Irvin	
Research possible future products • Attend trade shows and conferences to find educational applications	Ongoing	Ed Irvin	Joe Barrett,
Identify non-computer related technology needed • Identify technologies which will not be replaced	Ongoing	Ed Irvin	Principals
Establish Scope for Hardware Needs			
Determine number of computers required	Ongoing	Ed Irvin	Building Principals
Set minimum standard guidelines for • New purchases • donations	Ongoing	Joe Barrett	Jon Stibal
Identify requirements for non-standard hardware • This is hardware which might be used for special applications	Ongoing	Ed Irvin	Principals
Identify requirements for Network Administration • hardware and software	Ongoing	Joe Barrett	Jon Stibal,
Identify requirements for School Administration. • Contact ISD to insure that our hardware meets their requirements	Done	Joe Barrett	Ed Irvin
Determine common platform for spares	Done	Joe Barrett	Ed Irvin
Establish Scope for Software Needs			
Identify well-supported software	Ongoing	Staff	Ed Irvin
Identify special software	Ongoing	Staff	Ed Irvin
FINANCING			
Operation and maintenance	Ongoing	Ed Irvin	Terry Boguth
Coordinate Grant Applications for technology including USF and state initiatives	Ongoing	Terry Barella	Terry Boguth, Judy Sinclair, Building Principals
Community Access			
Offer training in specific computer applications	Ongoing	Ed Irvin	Joe Barrett
Technical Support			
Provide repairs in timely fashion	Ongoing	Repair staff	Joe Barrett
Annual Review of Technology Plan			
Reconvene Technology Action Committee	December 2010	TBD	Terry Boguth
Present revised plan to board of education for approval	April 2011	TBD	Terry Boguth

Curriculum

Curriculum Integration – Section 4

Technology is an essential tool in promoting learning across all areas in Coloma's curriculum. The use of technology is not an end unto itself, rather it is in place to support and expand learning objectives in all subject areas. The Michigan Department of Education document "Educational Technology Standards and Expectations" is used as a basis for making curricular changes related to technology and in our efforts to integrate technology into content areas.

Goals:

- Infuse the Michigan Educational Technology Standards into all curricula at all grade levels.
- Provide online learning experiences that meet requirements established by the state of Michigan.
- Provide professional development so that staff members understand the appropriate uses of technology within their curricula.
- Provide students with experiences to develop skills necessary to collect and impart information. This process culminates with mandatory student presentations as part of their senior project.
- Continue to identify emerging technologies that enhance the delivery of instruction and aid in student achievement.

The expectations for technology use in the curriculum are reviewed on an ongoing basis as part of a discussion that includes teachers, principals, and the superintendent. Acquired technologies are integrated into the curriculum to enhance teaching, training and student achievement. The school improvement plans for all school buildings identify how technology will be used to achieve stated goals.

The instructional delivery system is dependent upon technology. Every teacher has computing resources available for the regular use of technology by all students as a means of instruction and an object of instruction. Teacher systems also support multiple administrative functions such as grading, attendance, and electronic mail.

Student Achievement – Section 5

It is a goal of this plan that all classrooms reach an integrated stage of technology use. This includes formal support for the use of computing technology for instruction. Policies and procedures are in place for the efficient and appropriate acquisition or use of technology across the organization. The use of applications is coordinated across grade levels, training is ongoing and computer use is scheduled in an organized fashion.

The Coloma Community Schools have defined goals and performance indicators for student learning that describe essential learning for all students. The goals and measures are aligned with the curriculum framework provided by the Michigan Department of Education. The district has also adopted technology goals published by the Michigan Department of Education in the document titled “Educational Technology Standards and Expectations.”

At each grade level the METS standards will be used as the standards to evaluate student achievement. Those standards are:

- Basic Operation and Concepts
- Social, Ethical and Human Issues
- Technology Productivity Tools
- Technology Communications Tools
- Technology Research Tools
- Technology Problem Solving and Decision Making Tools

All technology use in grades K-7 is designed to enhance the existing curriculum by providing students the opportunity to engage in activities that are difficult or impossible without technology. Word processors, spreadsheets, Internet resources, simulations and presentation software are used to stimulate student interest in learning. Teachers have designed rubrics to evaluate the finished products created with the technology. In grades K-7, classroom activities have been aligned with state technology goals to meet curricular goals.

Grades K-4

Two labs are used to develop student reading skills with the use of software titled Fast ForWord. Fast ForWord is administered to all students second through fourth grade. The program requires a commitment of fifty minutes per day for eleven weeks. Teachers can generate individual learning opportunities, in all core academic areas, for students, kindergarten through fourth grade with the Plato software. Plato has proven to be beneficial for the acceleration and/or remediation of curriculum components. Renaissance Learning has two products that are used kindergarten through fourth grade titled Accelerated Reader and Star Reading. The Star Reading software is an assessment tool that allows us to level our students and correlate the level to the Accelerated Reader books in our library. As part of this program the students are able to take a short comprehension quiz on the books that they read and we are able to track and graph their progress. Teachers use the program Read Naturally with students who have demonstrated problems with reading fluency.

In addition to these software applications, our students also have exposure to word processing, rubric scored PowerPoint projects, distance learning, video conferencing, stop motion movie making and podcasting.

Grades 5-7

The focus for these grades is on keyboarding, word processing, multimedia, Internet skills, and simulations. Teachers at each grade level use simulations to encourage student learning and participation. The simulations are followed up with projects that require students to use the skills developed in several classes. Teachers at each grade level also require students to create multimedia

projects to show their understanding of given topics. These projects are presented orally or reviewed by peers. Students develop proficiency in using the Internet effectively. Online projects assigned at every grade level, require students to use the Internet to collect information. Effective online researching skills are taught at every grade level through the use of these online projects. Students also develop proficiency in keyboarding and word processing. All students are expected to publish work that demonstrates the learning they have acquired through the creation of a project. Plato learning software is available to all students and teachers at this level.

Grades 8-9

Career Exploration is the primary way technology is integrated at Coloma Junior High. Students take career surveys online, research careers and begin portfolios, all with technology. In addition, a wireless mobile lab gives teachers the option of bringing the computers to the students. The Computer Applications class at the junior high provides students the opportunity to complete their computer literacy graduation requirement. Students use the CustomGuide web based software to learn effective use of basic software tools, e.g. word processing, spreadsheets, and presentation software. Plato learning software is available to all students and teachers in grades 8-9.

Grades 10-12

Technology is an integral part of learning at Coloma High School. It is used as a teaching tool, a management tool and a learned skill. Computer classes are not the only courses in which students use and learn technology. The drafting courses use CAD, Computer Assisted Drafting software, machine tool uses CNC. Auto Mechanics uses web based modular lessons rather than a traditional text book.

Cadet teachers do online research as they consider colleges and find the requirements for majors and minors. The Consumer Economics classes research the Pueblo web site for appropriate bulletins and log on to insurance sites to learn about life and health insurance. Service Learning students create multimedia presentations to demonstrate their learning. Students in Beginning and Advanced Computer Repair are given hands on experiences as they learn to diagnose problems and make repairs. Students in grades 8-12 are required to complete a course in Computer Applications. There are many electives that are technology oriented namely Advanced Business Software, Arts and Graphics 1 and 2, Digital Video 1 and 2 and Accounting 1 and 2. Plato learning software is available to all students and teachers in grades 10-12.

Students can take their college assessment tests at Coloma High School and complete their college applications online. Often this is done while completing their Senior Project, a graduation requirement which involves a multi-media presentation to a panel of judges on a career exploration topic of their choice.

Teachers use technology every day to enter attendance and grades, students use computer resources to check their grades. Many of the required state and federal reports are done using online resources and are internet based. More instructors each year are using Moodle, a web based tool to manage assignments and lessons.

Students learn how to use Microsoft Office software by using web based instruction tools. The computer courses offered at Coloma range from a core computer course to IT Essentials, with a wide range of courses in between.

Technology is also used as a remedial tool. Assistive Technology is on all district computers to aid students with their reading skills. Computer math is also the basis of a remedial math course. Work Keys has recently been added to allow students to update their workplace readiness skills.

Technology Delivery – Section 6

Technology delivery is accomplished through a variety of tools, the Internet, online courses and distance learning equipment at all grade levels.

All students in grades K-12 have access to internet resources within individual classrooms and in computer labs. All second graders are scheduled for an 11 week course in the Fast ForWord lab that utilizes software to enhance student's reading ability. All teachers can create individualized learning plans for their students by accessing the Plato learning system. Distance Learning equipment is available to students and teachers at all grade levels. This allows them to interact with other students at remote locations and with recognized experts in various fields. Much of the content is provided through the resources provided by the Berrien County Intermediate School District.

Online content is available in more than one format. The district provides a subscription to CustomGuide, an online learning web site. Each user can log on as needed and can complete self-paced courses designed to increase their skills with technology tools. Some students take advantage of content provided by the Michigan Virtual University, primarily to take courses that are not offered at the local level.

The district team anticipates the increased use of video for delivery of content. That expectation was a major driver in the district's effort to increase bandwidth, both inside and outside the LAN, by the addition of fiber optic connections.

Teachers at all buildings in Coloma Community School District have access to online video resources through United Streaming.

Distance Learning opportunities are provided to students at all grade levels through programs provided through the resources at the Berrien County Intermediate School District.

Parental Communications & Community Relations – Section 7

Technology activities are communicated to the community through the district's newsletter, *Headliner*, which is mailed on a regular basis to all residents of the district and parents/guardians of students residing outside the district. Programs are described to parents at parent-teacher conferences and PTO meetings. New technology programs and acquisitions are described to the public at school board meetings. This technology plan and other information about school programs are posted on the district's web site at <http://www.ccs.coloma.org>. Upon request, hard copies of these postings are available at the Administration Building.

Informational programming is disseminated on the local cable television station. Press releases are sent to the local newspapers *Tri-City Record* and *Herald Palladium*.

In collaboration with the Berrien Regional Education Service Agency data services, teachers keep online grade books and attendance records that are available to parents and students of grades K-12.

The district subscribes to the Instant Alert system as provided by Honeywell. This system allows the district to inform parents of significant events in a timely fashion via telephone, email or text messages. The announcements are relayed to all users within minutes. These events can be school closings due to the weather, electrical outages, and transportation problems. In addition the system is used to inform parents of important events such as open houses, parent-teacher conferences, and student performances.

Parents and other community members of the Technology Planning Committee have been and will continue to be involved in development, implementation and continuing evaluation of the district's technology plan.

Collaboration – Section 8

The ability of schools to offer technology as a teaching tool and a management tool has become a critical issue. Computers and improved telecommunications have created new and unique opportunities for teaching and learning. Computer telecommunications have made student management and record keeping a more efficient data base for schools. We know that technology will help assure equity of access for learners as it becomes easier to match tools to the unique learning needs of students. Students will have the advantage of tracking and verifying work place skills.

Coloma Schools, through collaboration with other agencies, have provided greater opportunities for students. A PA 56 collaboration with other districts in Berrien County allows students to take advantage of opportunities to enhance their learning opportunities. Lake Michigan College has an articulation agreement with Coloma that allows students to take Direct Credit and Articulated credit for college courses. Students are also able to take their college assessment test online.

Coloma works closely with the Education Advisory Group, our partners in the Career Pathway system in Berrien County. The group is made up of leaders from business, industry and education, all working together to provide real-work opportunities for students. Technology skill can then move from the classroom into the work environment.

Through corporate volunteerism, the Coloma Schools has access to highly trained professionals in the area of technology, An example is the assistance the Whirlpool Corporation has given through the use of a supported volunteer who works with students and assists with network design and maintenance during and after school hours.

The Coloma district has collaborated with Adult Literacy Providers to promote the development of reading skills. Technology has been used to aid students with reading skills through specially designed software and computer labs.

The district has collaborated with the data services department at the Berrien County Intermediate School District in the development and implementation of an online grade book and online attendance. The grade book and attendance programs include viewing privileges for parents and students.

The Coloma School district has a website that is updated on a regular basis and is an ongoing source of information about the schools for the community. The school calendar and athletic schedules are published on the web site so that district residents can plan to attend school-sponsored events. Every teacher and administrator has email access and his or her addresses are published on the district's web page.

Professional Development

Professional Development – Section 9

Professional development is necessary to assist teaching staff in making the paradigm shifts required to enable technology to best support instruction. Teachers often will use technology in a fashion that is consistent with prior teaching practices. Many times this produces under utilization of technology as it applies to teaching and learning. Teachers cannot use technology effectively if they are not proficient in its use and if they do not understand the capabilities of specific hardware and software. Professional development for Coloma's staff is provided to groups and individuals.

Building level progress is measured with the CEO Forum chart. This rates progress by building throughout the district.

Self-evaluation of teacher technology competencies is provided by New Horizons, a technology training company.

Goals

- Improving student achievement
- Improving staff and student competence with technology
- Implementing technology tools into new and existing curriculum and instruction
- Improved technology planning within schools
- Create a learning community with respect to technology and education
- Enabling students, staff and community members to become quality users of technology
- Using online resources for tasks such as grading and attendance

All teachers are encouraged to complete courses offered on the LearnPort web site. Online training resources are important, but we recognize the importance of face-to-face contact in supporting online professional development.

Teachers need to learn to "think outside the box" when it comes to incorporating technology in teaching. Therefore, we provide a variety of technology related staff development opportunities that focus on effective applications of technology in innovative ways.

Group instruction is provided by local trainers, ISD personnel, or by software vendors. Two local facilitators provide formal professional development. Principals or groups of teachers may request specific training. Staff members are provided offsite training when more intensive training is desirable.

TRAINING INITIATIVES FOR 2008-09

There are several training options available to Coloma's teaching staff:

- The sixth grade students at Coloma Middle School received Hewlett-Packard laptops as part of a grant awarded in 2004. Sixth grade teachers continue to receive intensive training on the educational uses of the HP laptops in the classroom.
- Every teacher has an account for the CustomGuide web site. This is a tool that provides training and feedback on basic computing tools; word processing, desktop publishing, spread sheets and presentation software.
- All teachers have an account with Michigan LearnPort, a web site with tools for online professional development.
- Ongoing training in the use of the online grade book and attendance is provided as needed to all staff members.
- Additional training in the use of the Fast ForWord software will be provided as required
- An outside trainer is brought in several times per year to update training on the Plato learning system.
- The district has purchased training sessions with New Horizons, a provider of intensive training on a variety of software products.

Supporting Resources – Section 10

Teachers and students have access to a variety of online resources.

- Teachers and students have access to online resources such as Career Cruising for career explorations, CD ROMs that support curriculum and textbooks, online encyclopedias, and online databases as provided by the media staff.
- Individual training is offered to all staff members in the summer and at after school sessions. Training topics are gathered by surveying teachers on an annual basis. District staff provides this training

Technical Assistance

Two sources, district staff and vendors provide technical support. The district maintains a staff of 3 individuals to maintain and repair computers and audio-visual equipment and to maintain the district's networks. High school students may take a class in computer repair and these students perform repairs under the direction of the instructor. Vendors must agree to provide onsite service in warranty situations whenever bids are sought and approved.

Staff members request assistance by sending email to the repair coordinator located at Coloma High School. The repair coordinator assigns repairs to the appropriate staff or contacts vendors to set up service times.

Information resources

The district's accessibility, loan and use policies are designed to facilitate the use of the district's information technology resources by students, faculty, staff, administrators and the community. At the same time, procedures are in place to comply with existing laws and to meet community standards as approved by the school board. Teachers will use Internet resources to develop curriculum. This content will include print, audio, and video materials. Distance Learning equipment is available so that classes can communicate with subject matter experts in real time. Teachers and students will have CD ROM or DVD technology available so that they have access to the latest materials. VHS technology will be maintained as long as relevant materials are available in that format.

Time as a resource

Through the effective use of technology, time becomes a resource for supporting student learning and enhancing the productivity of the school, rather than a constraint limiting students' opportunity to learn. To that end, some record keeping has been automated, namely, attendance and grading.

Policies as a resource

Teachers and principals are encouraged to select and purchase software that enhances curricular goals. Software purchases must meet the requirements of the Software Acquisition Policy as written in this document. Purchase requests are reviewed by principals to ensure they meet curricular goals. Technology staff members review software requests to ensure that the software will run on district machines. District staff is employed to install and maintain the software. Only authorized staff members have rights to install software to ensure that copyright laws are respected and so that hardware and software conflicts can be avoided. The purchase of hardware has been centralized to provide for the best prices and to ensure compatibility.

Computer Games

To ensure that district equipment is used for appropriate purposes, the following guidelines apply to computer games

- This policy applies to staff and students.

- In most situations, playing computer games, either locally or on the Internet is not allowed in the Coloma Community Schools.
- It should be noted that there are computer activities that can be described as games that can be used to provide practice in certain academic areas.
- There are simulations that can create a learning environment.
- These “games” are permissible when a teacher has identified software that can be used as a teaching tool and is so identified in their lesson plans.
- This plan must include a description of the learning objectives associated with the game.

Media Burning Guidelines

To ensure compliance with copyright laws, students must adhere to the following guidelines when burning cd's or dvd's with school equipment

- Verify that the material you intend to burn is written to your folder on the backup drive.
- Obtain permission from the media director or media aide
- Identify the material you intend to burn
- Purchase a blank cd or dvd from media director or bring one from home.
- Use one of the burn stations provided in the media center and create the cd or dvd
- You may not burn files that include copyrighted material. This includes, but is not limited to, music files, gaming files, or executable programs.
- All actions must comply with the Acceptable Use Policy.

Infrastructure, Hardware, Technical Support and Software

Infrastructure Needs/Technical Specification and Design – Section 11

Schools serve diverse uses and functions. Flexible designs are essential to support diverse activities and they must be durable enough to stand up to continuous use. Historically, American school buildings are used for 50-60 years.

- All plans for the upgrading of school facilities include a technology component. This component addresses electrical needs, air conditioning, capacities, and network infrastructure. These plans endeavor to ensure that sufficient electrical outlets are available in all locations and that network drops are available for printers, computers and future technologies that will use these connections.
- Category 5 cabling is complete in 100% of the instructional and administrative areas in the district. In addition we are targeting fiber optic cables between network switches and buildings as appropriate.
- Internet and network services are available to all instructional and administrative areas. All buildings are connected to the WAN via fiber optic cable or T1 lines. File servers that allow authenticated log-on, file sharing and file backups serve all rooms. The network is protected by a firewall and is enhanced by 2 proxy servers, backup servers, update servers, and web servers.
- Coloma High School, Coloma Junior High, Coloma Elementary, the Fine Arts Center and Coloma Middle School are connected to the network via fiber optic lines. Washington Elementary School is connected to the WAN by a T1 (DS1) line. The administration center is connected to the WAN with a T1 (DS1) circuit.
- The middle school campus has wireless access points throughout the buildings for LAN access by the FTL laptop computers. Wireless connections to these access points are encrypted using WEP and WPA with a pre-shared key. Plans to add RADIUS authentication for future wireless access will be reviewed as appropriate.
- There are two Fast ForWord data managers (servers) in the High School. One Fast ForWord server is for Washington school to use. The other Fast ForWord Server is for the Fine Arts Building to use. A Windows 2000 application server at Washington Elementary delivers curricular material.
- There is a Plato server in the High School that provides services to the High School, Junior High, Coloma Middle School, Coloma Elementary, and Coloma Fine Arts. A second Plato Server is installed at Washington School.
- There is also a Read Naturally server available for use in Coloma Elementary and the Coloma Middle School building. This is primarily targeted for students that use English as a second language.
- Hardware for distance learning has been installed in all school buildings Staff members use the hardware to participate in videoconferences and meetings from remote locations.
- The High School is the Main Distribution Facility (MDF) for network connectivity, file servers, proxy servers and firewalls as well as connectivity to the Internet and the Berrien County Intermediate School District.
- We have implemented both a building card reading access system and security cameras for the Middle School buildings complex (two buildings with students moving between the buildings during the day).
- We are connected to the BCISD via a fiber optic line. Our bandwidth usage is limited at the BCISD going to the Merit network.

Instructional Hardware Acquisition

Many technology plans focus on hardware and software, failing to present a strategic and comprehensive view of a technology-supported transformation of the teaching and learning process. The effective educational use of technology requires intensive planning that takes into account several key components:

- how the technology will be used
- how professional development of staff will be provided
- how the technology will be acquired
- how technical support for on-going development will be maintained

All instructional hardware approved for purchase, lease or accepted by donation for use in schools must conform to standards developed by the instructional technology committee. The following objectives will guide the committee in establishing equipment standards:

- Equipment will be standardized throughout the school system within a particular grade level, subject or application.
- Each equipment standard will be re-evaluated as appropriate. Equipment standardization will be maintained in order to minimize the costs of technology related investment materials, maintenance, and training.
- Features such as availability and appropriateness of technology related instructional materials, technical capabilities, ease of use, reliability, vendor support and cost of maintenance will be considered when establishing standards.
- The committee may authorize the use of non-standard equipment at pilot sites in an effort to evaluate the effectiveness of new equipment and software.
- To be considered for purchase, equipment must be compatible in operating system, performance, warranty, vendor support, and relative ease of use. It must also be compatible with the technology related instructional materials utilized with the equipment established as the standard by the committee. Whenever possible, instructional hardware will be purchased on long-term agreement or contract.

INSTRUCTIONAL SOFTWARE ACQUISITION

Prior to software purchase a plan will be developed and presented to the committee for integrating the software into the curriculum. The plan will identify

- how the technology will be used
- how professional development of staff will be provided
- how the software will be acquired
- how technical support for on-going development will be maintained

All instructional software approved for purchase, lease or accepted by donation for use in schools must conform to standards developed by the instructional technology committee. The following objectives will guide the committee in establishing software standards:

- Software will be standardized throughout the school system where practical within a particular grade level, subject or application.
- Prior to purchase, a software “expert” will be established and that person will receive training in the use of the software before implementation.
- An ongoing cost for the software will be identified and will be included in future budgets
- Each software standard will be re-evaluated at least every two years.
- Software standardization will be maintained in order to minimize the costs of technology related investment materials, maintenance, and training.
- Features such as availability and appropriateness of technology related instructional materials, technical capabilities, ease of use, reliability, vendor support and cost of maintenance will be considered when establishing standards.
- The committee may authorize the use of non-standard software at pilot sites in an effort to evaluate the effectiveness of new software.
- To be considered for purchase, software must be compatible in operating system, performance, warranty, vendor support, and relative ease of use. It must also be compatible with the technology related instructional materials utilized with the equipment established as the standard by the committee. Whenever possible, instructional software will be purchased on long-term agreement or contract.

Future plans

- Add wireless access points to more school buildings - Wireless can provide cost effective, efficient means of providing client connectivity for mobile clients. Building on our experiences with the wireless access points deployed for the FTL computers at the middle school, we may be well served by extending that model to other buildings as well.
- Add redundancy/and or have contingency plans to minimize the impact of single point failures.
 - Purchase/implement backup with offsite rotation
 - Create alternate network paths to avoid/minimize the impact of cuts of network cables.
- Strive to
 - purchase, at a minimum, an entire room of computers and standardize their setup to increase the reliability and quality of machine setup. This is done by getting one machine set up correctly and cloning the setup to the remainder of similar machines.
 - purchase and implement networked laser printers to increase the quality and speed of printing while reducing the costs of printing.
 - ensure that planned layouts in labs minimize the screens hidden from supervision.
 - implement fiber optic cables between buildings and between network switches within a building.
 - use current wiring techniques (cross connect panels and hub/wiring enclosures) at each network switch.

Current Computers

- There are approximately 1000 computers in use in the district
- Modern computers with Internet connections are available in all school classrooms.
- There are 9 computer labs at Coloma High School.
- There are 4 computer labs at Coloma Junior High.
- There are 3 computer labs at Coloma Middle School.
- There is a computer lab in each elementary building and there are computer clusters (3-4 computers) in all grade 2-4 classrooms.
- The Fine Arts Building has a computer lab with 30 networked computers.
- All offices in the district are equipped with modern computers and laser printers.
- Dell is the preferred supplier/manufacturer of both laptop and desktop computers
- HP is the preferred manufacturer of printers and scanners.
- All future machines will be Windows Vista Premium ready.
- Computer specifications are reviewed and rewritten for each purchase of multiple machines.

Current Software

The basic software for each computer has been standardized to include

- Microsoft Windows operating systems, Windows2000 Professional and higher
- Microsoft Office, 2003 or above
- Webroot virus and spyware protection
- Accessibility Suite
- Adobe Acrobat, Flash Player, Shockwave and Java
- Mozilla Firefox and Thunderbird
- cCleaner

Increase Access – Section 12

The Coloma district recognizes that there are individuals with special needs who benefit from increased access to technology or from assistive technologies. Building principals communicate the needs to the superintendent and technology director. Laptop computers with microphones and voice recognition software have been provided to students who are unable to type. Additional computer stations and software have been provided for students who qualify for Title I programs. Large screen monitors have been purchased for teachers with limited vision. The district has added the Accessibility Suite tools (reads text from the screen out loud) to all student access machines to assist students with reading related issues.

Funding and Budget

Budget and Timetable - Section 13

An effective technology budget must address multiple facets. Current equipment must be maintained and new equipment must be obtained, sometimes as a replacement for current equipment and sometimes for additional program implementations. Training is critical in several areas. Users need to know how to use technology effectively and technicians must understand operating systems and hardware to make timely repairs. New curricular programs will be implemented that will require the use of technology. New technology will be developed for which there will be educational applications.

Uncertain funding continues to pose problems in all areas of school planning. This applies to technology, especially as schools try to refresh the current base of equipment and to provide adequate technology that will allow for the growth of digital applications. This uncertainty requires that districts make every effort to coordinate the allocation of resources from all program areas to take advantage of technology that has multiple uses and can be used across programs.

	2008-2009	2009-2010	2010-2011
Network Administrator	41,000	42,000	43,000
Technicians	41,000	42,000	43,000
Employee Benefits	20,000	21,000	22,000
Contracted Services	35,000	35,000	35,000
Supplies, Materials	15,000	15,000	15,000
Data Services – Bandwidth	12,000	12,000	12,000
Consortium Internet Fee	6,800	6,800	6,800
Professional Development	20,000	20,000	20,000
Software Licensing	10,000	10,000	10,000
Network Infrastructure	15,000	15,000	15,000
Network Updates and maintenance	10,000	10,000	10,000
Electrical Infrastructure	15,000	15,000	15,000
Computer & Equipment Replacement	100,000	100,000	100,000
Maintenance Agreements (Cisco switches)	6,000	6,000	6,000
Subscriptions (United Streaming, AR, SR)	8,000	8,000	8,000
Conferences	5,000	5,000	5,000
Electronics Recycling	1,000	1,000	1,000

Funding Plan and Coordination of Resources – Section 14

The technology plan will be funded by several sources. The district will continue to make technology a regular part of the annual operating budget. The district will seek funds from Universal Service Applications. The district will apply for local, state and federal grants. The district will continue to create partnerships with local business and will continue to solicit donations for the technology program.

The district has committed \$70,000-\$175,000 in each of the past three years for technology acquisition and support. The district has received Universal Service Fund monies and has dedicated those funds to the technology budget. The district has applied for and received Technology Literacy Challenge funds to implement a major project at the elementary schools. The district applied for and received funding from the state of Michigan as part of the Teacher Technology Initiative. Principals have spent building funds to enhance and support curricular projects that require technology. CTE funds, At-Risk monies and Migrant Education funding have also supplemented technology acquisition and teacher training. Teachers have applied for and received grants from the Michigan Department of Education, the Intermediate School District, foundations, and local conservation groups for the acquisition of technology.

Technical assistance for the development of the technology plan and the design for networks have been provided by employees from the Whirlpool Corporation.

Software licenses are purchased from vendors who participate in statewide plans resulting in savings for the district.

Bids or quotes are required for all computer purchases ensuring the best pricing for the district.

Monitoring and Evaluation

Evaluation – Section 15

A team composed of the technology director, the superintendent, and other representatives selected by the superintendent will evaluate the technology program on an annual basis. The evaluation team will rate district progress as related to the priorities as set forth in section 3 of this document. In addition the team will rate district activities by using the Educational Technology Plan Approval Checklist as provided by the Michigan Department of Education. The evaluation team will report their findings to the full Technology Advisory Team at the end of each school year including recommendations as to the priorities that should be adjusted based on the changing landscape in education.

A major component of the evaluation is the StAR Chart. It is Coloma's goal to get all school buildings to High Tech Status and then to maintain that status. The evaluation will be administered at the beginning and end of each school year.

School Building	September 2007 Ranking	May 2008 Ranking
Coloma High School	Mid Tech	Mid Tech
Coloma Junior high School	Mid Tech	Mid Tech
Coloma Middle School	Mid Tech	Mid Tech
Coloma Elementary School	Mid Tech	Mid Tech
Washington Elementary School	Mid Tech	Mid Tech

- The current evaluation shows that we are strong in hardware and connectivity.
- We need to continue our focus on professional development and integration of technology into curricular areas.
- Professional development priorities will be determined through the use of self-administered surveys that measure competency in key applications.

Acceptable Use Policy – Section 16

Adopted, December 12, 2006

Coloma Community Schools

Instructional Network Acceptable Use Policy for Elementary Students

Sponsoring teacher: _____

Child's Name: _____

I agree to follow all of the rules for using the instructional computer network in the Coloma Community Schools.

I know that:

- Computers at school are to be used for educational purposes.
- The use of the computer network is a privilege, not a right, and I will use appropriate language and behavior when using the network.
- I will not use the network to send or receive any illegal or inappropriate materials.
- I will not give my password to anyone else.
- I will not use the Internet without a teacher present.
- I will never give out personal information on the internet
- If I do not follow the rules, I will not be allowed to use the computer network.
- If I use the network for illegal or inappropriate activities, the Coloma Community Schools has the right to report these activities to the police.

Signed,

Child's Name

Date

A parent or guardian must sign this section.

I have read and understand the contract which my child has signed in order to use the Coloma Community School's Instructional Network. I fully agree with the contents of the contract and that my child will be bound by the terms of the contract. I accept full responsibility and liability, both legal and financial, for my child's actions, whether foreseen or not. I release the Coloma School district, its staff, administrators, and/or its agents, from any liability and/or consequences resulting from my child's use and/or misuse of the Instructional Network.

Signed,

Parent/Guardian Name

Date

Approved by Board of Education, August 13, 2007

Student Agreement for Internet and Computer (Access and ID) Use

Internet access and network storage are provided to students to enhance the educational process. Students will be supervised when using the Internet, but students are solely responsible for their actions when using the Internet. In accordance with the Children's Internet Protection Act (CIPA) an Internet filter has been installed on the main Internet server at the Berrien Intermediate School District office. This program's function is to block objectionable sites that provide sexist, violent, racist, or other demeaning content. This filter is effective, but not foolproof. Any attempt to bypass this filter is a major offense and will result in the loss of Internet access for a period of time to be determined by school administrators. Unacceptable usage of the Internet will result in cancellation of Internet access and possible fines for damages.

Level I Offenses (Penalty for non compliance equals 1 month excluding vacation days)

- Intentionally disrupting the network or other users.
- Use of the Internet for other than educational or research purposes consistent with district policies.
- Unauthorized use (plagiarism) of copyrighted material.
- Downloading of games, software, or music.
- Changing screen savers, backgrounds, or settings without permission.
- Use of electronic communications during the school day without permission of a teacher or administrator.
- Defiance of authority. Example: Being on the Internet during class without the approval of the teacher.
- Sharing your id and/or password or the use of another user's logon and password.
- Playing computer or network games

Level II Offenses (Penalty for non compliance equals 1 marking period)

- Vandalism - Vandalism will result in the cancellation of the user's privileges and possible fines to pay for damage incurred. Vandalism is defined as any malicious attempt to harm or destroy data of another user, the Internet, the network, or a computer.
- Harassment. Harassment is persistent annoyance of another user including the sending of unwanted messages.
- Buying or selling of goods and materials using the school's computers.
- Use of chat rooms, messaging, social networking sites or list serves unless approved by the teacher.

Level III Offenses (Penalty for non compliance equals 1 calendar year)

- Possession of threatening or obscene material in print or digital form. This includes, but is not limited to, sexist, racist, violent, pornographic, or satanic material.
- Attempts to bypass the security on a computer, the Internet filter or network security tools. This includes denial of service attacks and activities commonly known as "cracking" or "hacking."
- Attempts to change the configuration of a computer unless it is a class activity.

A 2nd offense for a violation at level I or level II will result in the loss of Internet use for a minimum of 1 semester. A 3rd offense will result in the loss of Internet access for the remainder of school year. Serious offenses may incur school board action or prosecution. In addition, a student's book deposit may be used to cover a portion of the cost of any damages incurred. Parents may be billed for the remaining cost of labor and materials to repair damages.

Students, who complete this form and agree to the above rules, will receive an id and password. The id and password will allow the student to access the internet and their own backup directory to store their files as appropriate.

I understand and agree to abide by the Access and ID rules as published for Coloma Community Schools. If I see a security issue I will inform a teacher or administrator. Before using any electronic media such as a pen drive or CD, I agree to have the media examined for copyright agreement compliance and for viruses, spyware or other files that may damage the computer or the network.

Student

Signature _____ Print name _____
Date _____

The above named student has my permission to use the Internet and computers at the Coloma Community Schools under the conditions set forth by the school. I have read and understand all the rules listed above. I hereby release the district, its personnel, and any institutions with which it is affiliated, from any and all claims and damages of any nature arising from my child's use of, or inability to use, the district's system, including, but not limited to claims that may arise from the use of the system to purchase products or services.

Parent Signature _____ Date _____

If a student turns 18 before the start of the school year, a parent's signature is not required.

Approved by Board of Education, August 13, 2007

Coloma Community Schools Staff Acceptable Use Policy

This acceptable use policy applies to all staff members for the use of the Internet, Email, local/wide area networks and technology equipment in the Coloma Community Schools. This policy applies both on-site and via remote connections on equipment supplied by the district.

1. Staff members have access to the Internet to facilitate diversity and personal growth in technology, information gathering skills, and communication skills.
2. Each staff member is responsible for all material they send using equipment supplied by the district.
3. Any violations of the use of the Internet should be reported to the technology director and building principal.
4. Staff members will accept the responsibility of keeping unlicensed copyrighted software of any kind from entering the local/wide area network or the Internet.
5. Only technology director or his/her designees will
 - load programs onto computers owned by the district
 - move a computer that requires a change in connection to the network
6. Staff members may not access pornographic material, inappropriate text files, or files dangerous to the integrity of the local/wide area network or the Internet.
7. Staff members may send email to any member on the Internet. The staff member has the responsibility to report all violations of privacy. The staff member is responsible for making sure all email sent by him/her does not contain pornographic material, inappropriate information, or text-encoded files that are potentially dangerous to the integrity of the local/wide area network or the Internet.
8. The district acknowledges that, at times, it will be appropriate for staff members to use the Internet and email for personal reasons. It is expected that all personal use of these resources will take place outside of student instruction time.
9. No computer or network games are to be played during the school day.
10. Staff member accounts will be monitored periodically.
11. Staff members who violate this policy may have their account privileges discontinued and may be subject to disciplinary action up to, and including, dismissal.

I agree to the conditions as set forth in the Acceptable Use Policy.

Signature _____

Date _____

Print Name _____

Major Activities 2005-2008

District

- Improved bandwidth for all buildings in district with addition of fiber optic connection to BCISD
- Improved training opportunities through relationship with New Horizons
- Professional development through online resources provided by Michigan LearnPort and CustomGuide

CHS

- Addition of computer labs in media center
- Upgrade of computers for CAD classes
- Addition of lab for online course work for auto shop
- Upgrade of computers for CTE classrooms
- Access to Plato learning materials
- Improved AC for server equipment

CJH

- Upgrade and additions to computers in media center
- Upgrade of computers throughout building
- Access to Plato learning materials
- Addition of Plato lab in room 46
- Addition of Animation lab in room 500
- Addition of distance learning hardware

CMS

- Upgrade to north lab
- Access to Plato learning materials
- Addition of 16 Plato stations in room 708
- Upgrade to south lab
- Addition of distance learning hardware
- Subscriptions to AR and Star Reading

CES

- Addition of distance learning hardware
- Subscriptions to AR and Star Reading
- Access to Plato learning materials
- Access to Fast ForWord materials thru Fine Arts lab

WES

- Addition of distance learning hardware
- Subscriptions to AR and Star Reading
- Access to Plato learning materials
- Access to Fast ForWord materials thru new computer lab